

Title (en)

A DISPOSABLE AIR FILTER UNIT, AN AIR CLEANER ASSEMBLY AND AN AIR CLEANER ARRANGEMENT

Title (de)

WEGWERFBARE LUFTFILTEREINHEIT, LUFTREINIGUNGSANORDNUNG UND LUFTREINIGUNGSVORRICHTUNG

Title (fr)

UNITÉ FILTRE À AIR JETABLE, ENSEMBLE ÉPURATEUR D'AIR ET AGENCEMENT D'ÉPURATEUR D'AIR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2019238212A1] The present invention relates to a disposable air filter unit (100) for filtering air intake to an internal combustion engine in a vehicle, the air filter unit (100) forming a cylindrical sleeve about a central axis (X) forming an outer sleeve surface (104) for receiving unfiltered air, and an inner sleeve surface (105) for output of filtered air, the disposable air filter unit comprising a pleated filter component (100a) the air filter unit being further comprising at least one bioplastic reinforcement structure (100b) arranged at the pleated filter component (100a). The present invention also relates to an air cleaner assembly (300) for an air cleaner arrangement in a vehicle, comprising a disposable air filter unit (100) and a reusable carrier structure (200) to which said air filter unit (100) is removably arranged, the disposable air filter unit (100) forming a sleeve about a central axis (X), extending axially between a first end surface (102) and a second end surface (103), and forming an outer sleeve surface (104) for receiving unfiltered air, and an inner sleeve surface (105) for output of filtered air, characterised by the reusable carrier structure (200) comprising a receiving member (201) for receiving said first end surface (102) of the air filter unit (100), and a sealing member (204) arranged at the receiving member (201), to contact said first end surface (102) of the air filter unit (100).

IPC 8 full level

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